

CUMULATIVE INDEX OF CHAPTER TITLES

VOLUMES 1-5

Titles of volume chapters are arranged in groups according to general descriptive topics. Within each group, titles are arranged in chronological order. It should be understood that the topic categories are arbitrary and have been chosen only to assist in indentifying related chapters. For more detailed indexing, see the Subject Index at the end of each volume.

ACARACIDES

(see Insecticides)

APICULTURE

The "Language" and Orientation of the Honey

Bee

K. von Frisch, M. Lindauer 1: 45-58

Some Recent Advances in Apicultural

Research

C. G. Butler 1: 281-98

Genetics and Breeding of the Honey Bee

W. C. Rothenbuhler 3: 161-80

The Use of Honey Bees in the Production
of Crops

F. E. Todd, S. E. McGregor 5: 265-78

APPLICATION

Apparatus for Application of Insecticides

J. L. Brann, Jr. 1: 241-60

Aerial Application of Insecticides

F. E. Weick, G. A. Roth 2: 297-318

Some Aspects of the Application of
Insecticides

R. J. Courshee 5: 327-52

BIOLOGICAL CONTROL

Biological Control of Insect Pests

C. P. Clausen 3: 291-310

Biological Control of Weeds with Insects

C. B. Huffaker 4: 251-76

Microbial Control of Insect Pests

Y. Tanada 4: 277-302

BIOLOGY

Biology of Scarabaeidae

P. O. Ritcher 3: 311-34

Ecology of Cerambycidae

E. G. Linsley 4: 99-138

Biology of Aphids

J. S. Kennedy, H. L. G.

Stroyan

4: 139-60

The Biology of Parasitic Hymenoptera

R. L. Doutt 4: 161-82

Evolution and Biology of the Termites

F. M. Weesner 5: 153-70

Biology of Fruit Flies

L. D. Christenson, R. Foote 5: 171-92

DIAPAUSE

The Physiology and Biochemistry of Diapause

A. D. Lees 1: 1-16

ECOLOGY

(see also Population Ecology and Ethology)

Resistance of Plants to Insects

R. H. Painter 3: 267-91

Ecology of Cerambycidae

E. G. Linsley 4: 99-138

Bioclimatic Studies with Insects

P. S. Messenger 4: 183-206

Host Selection in Phytophagous Insects

A. J. Thorsteinson 5: 193-218

ECONOMIC ENTOMOLOGY

Soil Insects and Their Control

J. H. Lilly 1: 203-22

Stored Product Entomology

E. A. Parkin 1: 223-40

Effect of Pesticides on Balance of Arthropod

Populations

W. E. Ripper 1: 403-38

Cotton Insects and Their Control in the

United States

J. C. Gaines 2: 319-38

Organic Phosphorus Insecticides for Control
of Field Crop Insects

W. A. L. David 3: 377-400

Forage Insects and Their Control

G. G. Gyrisco 3: 421-48

Deciduous Fruit Insects and Their Control

M. M. Barnes 4: 343-62

Seed Treatment as a Method of Insect
Control

W. H. Lange, Jr. 4: 363-88

CUMULATIVE INDEX OF CHAPTER TITLES

VOLUMES 1-5

Titles of volume chapters are arranged in groups according to general descriptive topics. Within each group, titles are arranged in chronological order. It should be understood that the topic categories are arbitrary and have been chosen only to assist in indentifying related chapters. For more detailed indexing, see the Subject Index at the end of each volume.

ACARACIDES

(see Insecticides)

APICULTURE

The "Language" and Orientation of the Honey

Bee

K. von Frisch, M. Lindauer 1: 45-58

Some Recent Advances in Apicultural

Research

C. G. Butler 1: 281-98

Genetics and Breeding of the Honey Bee

W. C. Rothenbuhler 3: 161-80

The Use of Honey Bees in the Production
of Crops

F. E. Todd, S. E. McGregor 5: 265-78

APPLICATION

Apparatus for Application of Insecticides

J. L. Brann, Jr. 1: 241-60

Aerial Application of Insecticides

F. E. Weick, G. A. Roth 2: 297-318

Some Aspects of the Application of
Insecticides

R. J. Courshee 5: 327-52

BIOLOGICAL CONTROL

Biological Control of Insect Pests

C. P. Clausen 3: 291-310

Biological Control of Weeds with Insects

C. B. Huffaker 4: 251-76

Microbial Control of Insect Pests

Y. Tanada 4: 277-302

BIOLOGY

Biology of Scarabaeidae

P. O. Ritcher 3: 311-34

Ecology of Cerambycidae

E. G. Linsley 4: 99-138

Biology of Aphids

J. S. Kennedy, H. L. G.

Stroyan

4: 139-60

The Biology of Parasitic Hymenoptera

R. L. Doutt 4: 161-82

Evolution and Biology of the Termites

F. M. Weesner 5: 153-70

Biology of Fruit Flies

L. D. Christenson, R. Foote 5: 171-92

DIAPAUSE

The Physiology and Biochemistry of Diapause

A. D. Lees 1: 1-16

ECOLOGY

(see also Population Ecology and Ethology)

Resistance of Plants to Insects

R. H. Painter 3: 267-91

Ecology of Cerambycidae

E. G. Linsley 4: 99-138

Bioclimatic Studies with Insects

P. S. Messenger 4: 183-206

Host Selection in Phytophagous Insects

A. J. Thorsteinson 5: 193-218

ECONOMIC ENTOMOLOGY

Soil Insects and Their Control

J. H. Lilly 1: 203-22

Stored Product Entomology

E. A. Parkin 1: 223-40

Effect of Pesticides on Balance of Arthropod

Populations

W. E. Ripper 1: 403-38

Cotton Insects and Their Control in the

United States

J. C. Gaines 2: 319-38

Organic Phosphorus Insecticides for Control

of Field Crop Insects

W. A. L. David 3: 377-400

Forage Insects and Their Control

G. G. Gyrisco 3: 421-48

Deciduous Fruit Insects and Their Control

M. M. Barnes 4: 343-62

Seed Treatment as a Method of Insect

Control

W. H. Lange, Jr. 4: 363-88

The Biological Background of Locust Control	D. L. Gunn	5: 279-300
Citrus Insects and Mites	L. R. Jeppson, G. E. Carman	5: 353-78
ERADICATION (see Quarantine)		
ETHOLOGY		
Insect Migration	C. B. Williams	2: 163-80
Uses of Sounds by Insects	H. Frings, M. Frings	3: 87-106
Ethological Studies of Insect Behavior	G. P. Baerends	4: 207-34
FOREST ENTOMOLOGY		
Ecology of Forest Insects	S. A. Graham	1: 261-80
Control of Forest Insects	R. E. Balch	3: 449-68
GENETICS		
Cytogenetics and Systematic Entomology	M. J. D. White	2: 71-90
Genetics and Breeding of the Honey Bee	W. C. Rothenbuhler	3: 161-80
Cytogenetics of Insects	S. G. Smith	5: 69-84
Chromosomal Variation and Adaptation in Insects	A. B. da Cunha	5: 85-110
INSECTICIDES (see also Mode of Action of Insecticides)		
The Chemistry of Insecticides	H. Martin	1: 149-66
Persisting Insecticide Residues in Plant Materials	F. A. Gunther, R. C. Blinn	1: 167-80
Repellents	V. G. Dethier	1: 181-202
The Behaviour of Systemic Insecticides Applied to Plants	S. H. Bennett	2: 279-96
Biological Assay of Insecticide Residues	S. Nagasawa	4: 319-54
Pesticides in Relation to Public Health	W. J. Hayes, Jr.	5: 379-404
INSECT VECTORS		
Insect Transmission of Plant Viruses	F. F. Smith, P. Brierley	1: 299-322
Insecticidal Control of the Spread of Plant Viruses	L. Broadbent	2: 339-54
Transmission of Plant Viruses by Arthropods	K. M. Smith	3: 469-82
MEDICAL AND VETERINARY ENTOMOLOGY		
Nonbiting Flies and Disease	D. R. Lindsay, H. I. Scudder	1: 323-46
Veterinary and Medical Acarology	H. S. Fuller	1: 347-66
Recent Advances in Veterinary Entomology	A. W. Lindquist, E. F. Knippling	2: 181-202
Transmission of Disease Agents by Phlebotomine Sand Flies	S. Adler, O. Theodor	2: 203-26
Insecticides for Control of Adult Diptera	R. W. Fay, J. W. Kilpatrick	3: 401-20
Fleas and Disease	W. L. Jellison	4: 389-414
Insects and Epidemiology of Malaria	P. F. Russell	4: 415-34
Northern Biting Flies	B. Hocking	5: 135-52
Biological Relationships Between Lice (Anoplura) and Microbial Agents	F. Weyer	5: 405-20
MODE OF ACTION OF INSECTICIDES		
The Mode of Action of Insecticides	C. W. Kearns	1: 123-48
The Mode of Action of Insecticides Exclusive of Organic Phosphorus Compounds	P. A. Dahm	2: 247-60
Chemistry and Mode of Action of Organophosphorus Insecticides	E. Y. Spencer, R. D. O'Brien	2: 261-78
The Chemistry and Action of Acaricides	R. B. March	3: 355-76
On the Mode of Action of Insecticides	F. W. P. Winteringham, S. E. Lewis	4: 303-18

MORPHOLOGY

- | | | |
|---|--------------------|-----------|
| The Comparative Morphology of the Insect Head | E. M. DuPorte | 2: 55-70 |
| Ovarian Structure and Vitellogenesis in Insects | P. F. Bonhag | 3: 137-60 |
| Insect Blood Cells | V. B. Wigglesworth | 4: 1-16 |
| Insect Micromorphology | G. A. Edwards | 5: 17-34 |

NOMENCLATURE

- | | | |
|-----------------------------------|---------------|----------|
| The Stability of Scientific Names | R. L. Usinger | 1: 59-70 |
|-----------------------------------|---------------|----------|

NUTRITION

- | | | |
|--|-----------------------|----------|
| Insect Nutrition | H. Lipke, G. Fraenkel | 1: 17-44 |
| Nutritional Requirements of Phytophagous Insects | W. G. Friend | 3: 57-74 |

PHYSIOLOGY

- | | | |
|---|------------------------------|----------|
| Digestion in Insects | D. F. Waterhouse | 2: 1-18 |
| Some Aspects of Intermediary Metabolism of Carbohydrates in Insects | M. Rockstein | 2: 19-36 |
| The Physiology of Insect Cuticle | V. B. Wigglesworth | 2: 37-54 |
| The Nervous System | K. D. Roeder | 3: 1-18 |
| Chemoreception in Arthropods | E. S. Hodgson | 3: 19-36 |
| Internal Symbiosis in Insects | A. G. Richards, M. A. Brooks | 3: 37-56 |
| Culture of Insect Tissues | M. F. Day, T. D. C. Grace | 4: 17-38 |
| Pheromones (Ectohormones) in Insects | P. Karlson, A. Butenandt | 4: 39-58 |
| Insect Pigments | R. I. T. Cromartie | 4: 59-76 |
| Insect Flight Muscles and Their Basic Physiology | E. G. Boettiger | 5: 1-16 |
| Neurosecretion in Insects | W. G. Van der Kloot | 5: 35-52 |
| The Physiology of Excretion in the Insect | R. Craig | 5: 53-68 |

POLLINATION

- | | | |
|---------------------------------------|--------------|-----------|
| (see also Apiculture) | | |
| Pollination of Alfalfa and Red Clover | G. E. Bohart | 2: 355-80 |

POPULATION ECOLOGY

- | | | |
|---|--------------------------------|------------|
| The Fundamental Theory of Natural and Biological Control | W. R. Thompson | 1: 379-402 |
| Dynamics of Insect Populations | M. E. Solomon | 2: 121-42 |
| The Synoptic Approach to Studies of Insects and Climate | W. G. Wellington | 2: 143-62 |
| Dynamics of Insect Populations | A. J. Nicholson | 3: 107-36 |
| Experimental Host-Parasite Populations | T. Burnett | 4: 235-50 |
| Some Recent Contributions to the Study of the Distribution and Abundance of Insects | H. G. Andrewartha, L. C. Birch | 5: 219-42 |
| Sampling Insect Populations | R. F. Morris | 5: 243-64 |

QUARANTINE

- | | | |
|-----------------------------|--------------------------|-----------|
| Modern Quarantine Problems | A. F. Camp | 1: 367-78 |
| Insect Eradication Programs | W. L. Popham, D. G. Hall | 3: 335-54 |

RESISTANCE TO CHEMICALS

- | | | |
|---|-----------------------------|-----------|
| Arthropod Resistance to Chemicals | W. M. Hoskins, H. T. Gordon | 1: 89-122 |
| Genetics of Insect Resistance to Chemicals | J. F. Crow | 2: 227-46 |
| Mechanisms of Resistance Against Insecticides | A. W. A. Brown | 5: 301-26 |

SERICULTURE

- | | | |
|---------------------------------------|-------------|----------|
| Recent Advances in Silkworm Nutrition | J. M. Legay | 3: 75-86 |
|---------------------------------------|-------------|----------|

SOCIAL INSECTS

- | | | |
|---------------------------------------|-------------|-----------|
| Caste Determination in Social Insects | M. V. Brian | 2: 107-20 |
|---------------------------------------|-------------|-----------|

CHAPTER TITLE INDEX

449

VOLUMES 1-5

SYSTEMATICS

Some Aspects of Geographic Variation in Insects	T. H. Hubbell	1: 71-88
The Taxonomic Significance of the Characters of Immature Insects	F. I. van Emden	2: 91-106
The Phylogeny of the Panorpid Orders	H. E. Hinton	3: 181-206
Zoogeography of Insects	J. L. Gressitt	3: 207-30
Hybridization and Speciation in Mosquitoes	L. E. Rozeboom, J. B. Kitzmiller	3: 231-48
The Feeding Habits of Biting Flies and Their Significance in Classification	J. A. Downes	3: 249-66
Taxonomic Problems with Closely Related Species	W. J. Brown	4: 77-98
The Phylogeny of Coleoptera	R. A. Crowson	5: 111-34

CUMULATIVE INDEX OF CONTRIBUTING AUTHORS

VOLUMES 1-5

A listing of volume and page numbers for each contributing author in the first five volumes.

A	F	Lipke, H., 1: 17
Adler, S., 2: 203	Fay, R. W., 3: 401	M
Andrewartha, H. G., 5: 219	Footo, R. H., 5: 171	McGregor, S. E., 5: 265
B	Fraenkel, G., 1: 17	March, R. B., 3: 355
Baerends, G. P., 4: 207	Friend, W. G., 3: 57	Martin, H., 1: 149
Balch, R. E., 3: 449	Frings, H., 3: 87	Messenger, P. S., 4: 183
Barnes, M. M., 4: 343	Frings, M., 3: 87	Morris, R. F., 5: 243
Bennett, S. H., 2: 279	Frisch, K. von, 1: 45	N
Birch, L. C., 5: 219	Fuller, H. S., 1: 347	Nagasawa, S., 4: 319
Blinn, R. C., 1: 167	G	Nicholson, A. J., 3: 107
Boettiger, E. G., 5: 1	Gaines, J. C., 2: 319	O
Bohart, G. E., 2: 355	Gordon, H. T., 1: 89	O'Brien, R. D., 2: 261
Bonhag, P. F., 3: 137	Grace, T. D. C., 4: 17	P
Brann, J. L., Jr., 1: 241	Graham, S. A., 1: 261	Painter, R. H., 3: 267
Brian, M. V., 2: 107	Gressitt, J. L., 3: 207	Parkin, E. A., 1: 223
Brierley, P., 1: 299	Gunn, D. L., 5: 279	Popham, W. L., 3: 335
Broadbent, L., 2: 339	Gunther, F. A., 1: 167	R
Brooks, M. A., 3: 37	Gyrisco, G. G., 3: 421	Richards, A. G., 3: 37
Brown, A. W. A., 5: 301	H	Ripper, W. E., 1: 403
Butenandt, A., 4: 39	Hall, D. G., 3: 335	Ritcher, P. O., 3: 311
Butler, C. G., 1: 281	Hayes, W. J., Jr., 5: 379	Rockstein, M., 2: 19
C	Hinton, H. E., 3: 181	Roeder, K. D., 3: 1
Camp, A. F., 1: 367	Hocking, B., 5: 135	Roth, G. A., 2: 297
Carman, G. E., 5: 353	Hodgson, E. S., 3: 19	Rothenbuhler, W. C., 3: 161
Christenson, L. D., 5: 171	Hoskins, W. M., 1: 89	Rozeboom, L. E., 3: 231
Clausen, C. P., 3: 291	Hubbell, T. H., 1: 71	Russell, P. F., 4: 415
Courshee, R. J., 5: 327	Huffaker, C. B., 4: 251	S
Craig, R., 5: 53	J	Scudder, H. I., 1: 323
Cromartie, R. I. T., 4: 59	Jellison, W. L., 4: 389	Smith, F. F., 1: 299
Crow, J. F., 2: 227	Jeppson, L. R., 5: 353	Smith, K. M., 3: 469
Crowson, R. A., 5: 111	K	Smith, S. G., 5: 69
Cunha, A. B. da, 5: 85	Karlson, P., 4: 39	Solomon, M. E., 2: 121
D	Kearns, C. W., 1: 123	Spencer, E. Y., 2: 261
da Cunha, A. B., see Cunha, A. B. da	Kennedy, J. S., 4: 139	Stroyan, H. L. G., 4: 139
Dahm, P. A., 2: 247	Kilpatrick, J. W., 3: 401	T
David, W. A. L., 3: 377	Kitzmler, J. B., 3: 231	Tanada, Y., 4: 277
Day, M. F., 4: 17	Knipling, E. F., 2: 181	Theodor, O., 2: 203
Dethier, V. G., 1: 181	L	Thompson, W. R., 1: 369
Doutt, R. L., 4: 161	Lange, W. H., Jr., 4: 363	Thorsteinson, A. J., 5: 193
Downes, J. A., 3: 249	Lees, A. A., 1: 1	Todd, F. E., 5: 265
DuPorte, E. M., 2: 55	Legay, J. M., 3: 75	U
E	Lewis, S. E., 4: 303	Usinger, R. L., 1: 59
Edwards, G. A., 5: 17	Lilly, J. H., 1: 203	
Emden, F. I. van, 2: 91	Lindauer, M., 1: 45	
	Lindquist, A. W., 2: 181	
	Lindsay, D. R., 1: 323	
	Linsley, E. G., 4: 99	

CONTRIBUTING AUTHOR INDEX

451

VOLUMES 1-5

V

Van der Kloot, W. G., 5: 35
van Emden, F. I., see
Emden, F. I. van
von Frisch, K., see Frisch,
K. von

W

Waterhouse, D. F., 2: 1
Weesner, F. M., 5: 153
Weick, F. E., 2: 297
Wellington, W. G., 2:
143

Weyer, F., 5: 405
White, M. J. D., 2: 71
Wigglesworth, V. B.,
2: 37; 4: 1
Williams, C. B., 2: 163
Winteringham, F. P. W.,
4: 303